ELSEVIER

PHYSICS REPORTS

Author index to volumes 301–310

Ahmed, B., *see* P.F. Smith 307 (1998) 275
Akerib, D.S., *see* R.W. Schnee 307 (1998) 283
Ali, T., *see* P.F. Smith 307 (1998) 275
Alner, G.J., *see* P.F. Smith 307 (1998) 275
AMANDA Collaboration, *see* AMANDA Collaboration, R.C. Bay 307 (1998) 243
Andrés, E.C., *see* R.C. Bay 307 (1998) 243
Angelone, M., *see* P. Belli 307 (1998) 269
Arnison, G.T.J., *see* P.F. Smith 307 (1998) 275
Arnowitt, R. and P. Nath, Cosmological constraints on supergravity unified models 307 (1998) 215
Askebjer, P., *see* R.C. Bay 307 (1998) 243
Azarenkov, N.A. and K.N. Ostrikov, Surface magnetoplasma waves at the interface between a plasma-like medium and a metal in the Voigt geometry 308 (1999) 333

Baer, H., Neutralino relic density from minimal supergravity: Direct detection vs. collider searches 307 (1998) 201
Banhatti, D.G., Bilateral symmetry in active galaxies 303 (1998) 81
Barger, V. and C. Kao, Neutralino relic density in the minimal supergravity model 307 (1998) 207
Barnes Jr, P.D., *see* R.W. Schnee 307 (1998) 283
Barton, J.C., *see* P.F. Smith 307 (1998) 275
Barwick, S.W., *see* R.C. Bay 307 (1998) 243
Batistoni, P., *see* P. Belli 307 (1998) 269
Battye, R.A., *see* E.P.S. Shellard 307 (1998) 227
Baudis, L., J. Hellmig, G. Heusser, H.V. Klapdor–Kleingrothaus, B. Majorovits, Y. Ramachers and H. Strecker, Direct detection of WIMPs with the HDMS-experiment and new WIMP-limits from the Heidelberg–Moscow experiment 307 (1998) 291
Baudis, L., J. Hellmig, M. Hirsch, G. Heusser, H.V. Klapdor–Kleingrothaus, B. Majorovits, Y. Ramachers and H. Strecker, GENIUS: a new dark matter project 307 (1998) 301
Bauer, D.A., *see* R.W. Schnee 307 (1998) 283
Bay, R.C., Y. He, D. Lowder, P. Miocinovic, P.B. Price, M. Solarz, K. Woschnagg, S.W. Barwick, J. Booth, P.C. Mock, R. Porrata, E. Schneider, G. Yodh, D. Cowen, M. Carlson, C.G.S. Costa, T. DeYoung, L. Gray, F. Halzen, R. Hardtke, J. Jacobsen, V. Kankhadai, A. Karle, I. Liubarsky, R. Morse, S. Tilav, T.C. Miller, E.C. Andrés, P. Askebjer, L. Bergström, A. Bouchta, E. Dalberg, P. Ekström, A. Goobar, P.O. Hulth, C. Walck, A. Hallgren, C.P. de los Heros, P. Marciniewski, H. Rubinstein, S. Carius, P. Lindahl, A. Biron, S. Hundertmark, M. Leuthold, P. Niessen, C. Spiering,

0370-1573/99/$ – see front matter © 1999 Published by Elsevier Science B.V. All rights reserved.
PII: S0370-1573(99)00005-8

ELSEVIER

PHYSICS REPORTS

Author index to volumes 301–310

Ahmed, B., *see* P.F. Smith 307 (1998) 275
Akerib, D.S., *see* R.W. Schnee 307 (1998) 283
Ali, T., *see* P.F. Smith 307 (1998) 275
Alner, G.J., *see* P.F. Smith 307 (1998) 275
AMANDA Collaboration, *see* AMANDA Collaboration, R.C. Bay 307 (1998) 243
Andrés, E.C., *see* R.C. Bay 307 (1998) 243
Angelone, M., *see* P. Belli 307 (1998) 269
Arnison, G.T.J., *see* P.F. Smith 307 (1998) 275
Arnowitt, R. and P. Nath, Cosmological constraints on supergravity unified models 307 (1998) 215
Askebjer, P., *see* R.C. Bay 307 (1998) 243
Azarenkov, N.A. and K.N. Ostrikov, Surface magnetoplasma waves at the interface between a plasma-like medium and a metal in the Voigt geometry 308 (1999) 333

Baer, H., Neutralino relic density from minimal supergravity: Direct detection vs. collider searches 307 (1998) 201
Banhatti, D.G., Bilateral symmetry in active galaxies 303 (1998) 81
Barger, V. and C. Kao, Neutralino relic density in the minimal supergravity model 307 (1998) 207
Barnes Jr, P.D., *see* R.W. Schnee 307 (1998) 283
Barton, J.C., *see* P.F. Smith 307 (1998) 275
Barwick, S.W., *see* R.C. Bay 307 (1998) 243
Batistoni, P., *see* P. Belli 307 (1998) 269
Battye, R.A., *see* E.P.S. Shellard 307 (1998) 227
Baudis, L., J. Hellmig, G. Heusser, H.V. Klapdor–Kleingrothaus, B. Majorovits, Y. Ramachers and H. Strecker, Direct detection of WIMPs with the HDMS-experiment and new WIMP-limits from the Heidelberg–Moscow experiment 307 (1998) 291
Baudis, L., J. Hellmig, M. Hirsch, G. Heusser, H.V. Klapdor–Kleingrothaus, B. Majorovits, Y. Ramachers and H. Strecker, GENIUS: a new dark matter project 307 (1998) 301
Bauer, D.A., *see* R.W. Schnee 307 (1998) 283
Bay, R.C., Y. He, D. Lowder, P. Miocinovic, P.B. Price, M. Solarz, K. Woschnagg, S.W. Barwick, J. Booth, P.C. Mock, R. Porrata, E. Schneider, G. Yodh, D. Cowen, M. Carlson, C.G.S. Costa, T. DeYoung, L. Gray, F. Halzen, R. Hardtke, J. Jacobsen, V. Kankhadai, A. Karle, I. Liubarsky, R. Morse, S. Tilav, T.C. Miller, E.C. Andrés, P. Askebjer, L. Bergström, A. Bouchta, E. Dalberg, P. Ekström, A. Goobar, P.O. Hulth, C. Walck, A. Hallgren, C.P. de los Heros, P. Marciniewski, H. Rubinstein, S. Carius, P. Lindahl, A. Biron, S. Hundertmark, M. Leuthold, P. Niessen, C. Spiering,

0370-1573/99/$ – see front matter © 1999 Published by Elsevier Science B.V. All rights reserved.
PII: S0370-1573(99)00005-8

O. Streicher, T. Thon, C.H. Wiebusch, R. Wischnewski, D. Nygren, A. Jones, S. Hart, D. Potter, G. Hill and R. Schwarz, The AMANDA neutrino telescope and the indirect search for dark matter 307 (1998) 243
Belli, P., R. Bernabei, F. Montecchia, W. Di Nicolantonio, A. Incicchitti, D. Prosperi, C.J. Dai, L.K. Ding, H.H. Kuang, J.M. Ma, M. Angelone, P. Batistoni and M. Pillon, The DAMA experiments at Gran Sasso 307 (1998) 269
Bennett, D., Magellanic cloud gravitational microlensing results: What do they mean? 307 (1998) 97
Benoit, A., *see* D. Drain 307 (1998) 297
Bergé, L., Wave collapse in physics: principles and applications to light and plasma waves 303 (1998) 259
Bergé, L., *see* D. Drain 307 (1998) 297
Bergström, L., *see* R.C. Bay 307 (1998) 243
Berkes, I., *see* D. Drain 307 (1998) 297
Bernabei, R., *see* P. Belli 307 (1998) 269
Bewick, A., *see* P.F. Smith 307 (1998) 275
Birkinshaw, M., The Sunyaev–Zel'dovich effect 310 (1999) 97
Biron, A., *see* R.C. Bay 307 (1998) 243
Booth, J., *see* R.C. Bay 307 (1998) 243
Bouchta, A., *see* R.C. Bay 307 (1998) 243
Bousso, R., Creating black holes in the universe, and universes through black holes 307 (1998) 117
Brandenberger, R.H., *see* U.F. Wichoski 307 (1998) 191
Bratkovskaya, E.L., *see* W. Cassing 308 (1999) 65
Braun, O.M. and Y.S. Kivshar, Nonlinear dynamics of the Frenkel–Kontorova model 306 (1998) 1
Brink, P.L., *see* R.W. Schnee 307 (1998) 283
Brodsky, S.J., H.-C. Pauli and S.S. Pinsky, Quantum chromodynamics and other field theories on the light cone 301 (1998) 299

Cabrera, B., *see* R.W. Schnee 307 (1998) 283
Caldwell, D.O., *see* R.W. Schnee 307 (1998) 283
Campostrini, M., *see* P. Rossi 302 (1998) 143
Carius, S., *see* R.C. Bay 307 (1998) 243
Carlson, M., *see* R.C. Bay 307 (1998) 243
Carr, B.J., Dynamical constraints on dark compact objects 307 (1998) 83
Carr, B.J. and J.H. MacGibbon, Cosmic rays from primordial black holes and constraints on the early universe 307 (1998) 141
Cassing, W. and E.L. Bratkovskaya, Hadronic and electromagnetic probes of hot and dense nuclear matter 308 (1999) 65
Chaboyer, B., The age of the universe 307 (1998) 23
Chambon, B., *see* D. Drain 307 (1998) 297
Chapellier, M., *see* D. Drain 307 (1998) 297
Chardin, G., *see* D. Drain 307 (1998) 297
Charvin, P., *see* D. Drain 307 (1998) 297
Clarke, R.M., *see* R.W. Schnee 307 (1998) 283
Cline, D.B., Primordial black holes and short gamma-ray bursts 307 (1998) 173
Cocco, A.G., Results from CHORUS experiment at CERN 307 (1998) 319
Colling, P., *see* R.W. Schnee 307 (1998) 283
Costa, C.G.S., *see* R.C. Bay 307 (1998) 243

Cowen, D., *see* R.C. Bay 307 (1998) 243
Crisler, M.B., *see* R.W. Schnee 307 (1998) 283
Cummings, P.T., *see* S.S. Sarman 305 (1998) 1

Dai, C.J., *see* P. Belli 307 (1998) 269
Dalberg, E., *see* R.C. Bay 307 (1998) 243
Danos, M. and U. Fano, Graphical analysis of angular momentum for collision products 304 (1998) 155
DaSilva, A., *see* R.W. Schnee 307 (1998) 283
Davidge, D., *see* P.F. Smith 307 (1998) 275
Davies, A.K., *see* R.W. Schnee 307 (1998) 283
Davies, G., *see* P.F. Smith 307 (1998) 275
de los Heros, C.P., *see* R.C. Bay 307 (1998) 243
De Raedt, H., *see* K. Michielsen 304 (1998) 89
Derrida, B., An exactly soluble non-equilibrium system: The asymmetric simple exclusion process 301 (1998) 65
DeYoung, T., *see* R.C. Bay 307 (1998) 243
Di Nicolantonio, W., *see* P. Belli 307 (1998) 269
Ding, L.K., *see* P. Belli 307 (1998) 269
Dorfman, J.R., Deterministic chaos and the foundations of the kinetic theory of gases 301 (1998) 151
Dougherty, B.L., *see* R.W. Schnee 307 (1998) 283
Drain, D., A. Benoit, L. Bergé, I. Berkes, B. Chambon, M. Chapellier, G. Chardin, P. Charvin, M.D. Jésus, P.D. Stefano, L. Dumoulin, C. Goldbach, J.-P. Hadjout, A. Juilliard, D. L'Hôte, J. Mallet, S. Marnieros, L. Miramonti, L. Mosca, X.-F. Navick, G. Nollez, P. Pari, C. Pastor, S. Pécourt, E. Simon, R. Turbot, L. Vagneron and D. Yvon, Status of the EDELWEISS experiment 307 (1998) 297
Dumoulin, L., *see* D. Drain 307 (1998) 297

Eichblatt, S., *see* R.W. Schnee 307 (1998) 283
Ekström, P., *see* R.C. Bay 307 (1998) 243
Evans, D.J., *see* S.S. Sarman 305 (1998) 1

Faber, S.M., *see* J.R. Primack 307 (1998) 15
Fano, U., *see* M. Danos 304 (1998) 155
Filippenko, A.V. and A.G. Riess, Results from the High-z Supernova Search Team 307 (1998) 31
Fiorini, E., CUORE: a cryogenic underground observatory for rare events 307 (1998) 309
Fisher, D.S., Collective transport in random media: from superconductors to earthquakes 301 (1998) 113
Forrester, P.J., Exact results for two-dimensional Coulomb systems 301 (1998) 235
Freedman, W.L., Measuring the Hubble constant 307 (1998) 45
Frieman, J.A., The Sloan Digital Sky Survey and large-scale structure 307 (1998) 61
Fritsch, J. and U. Schröder, Density functional calculation of semiconductor surface phonons 309 (1999) 209

Gaitskell, R.J., *see* R.W. Schnee 307 (1998) 283
Garcia, N., *see* K. Michielsen 304 (1998) 89

Gisiger, T. and M.B. Paranjape, Recent mathematical developments in the Skyrme model 306 (1998) 109
Goldbach, C., *see* D. Drain 307 (1998) 297
Goldhaber, G. and S. Perlmutter, A study of 42 type Ia supernovae and a resulting measurement of Ω_M and Ω_Λ 307 (1998) 325
Goldman, B., The microlensing searches for galactic dark matter 307 (1998) 107
Golwala, S.R., *see* R.W. Schnee 307 (1998) 283
Goobar, A., *see* R.C. Bay 307 (1998) 243
Gray, L., *see* R.C. Bay 307 (1998) 243
Green, A.M., *see* A.R. Liddle 307 (1998) 125
Griffin, A., *see* H. Shi 304 (1998) 1
Grifoni, M. and P. Hänggi, Driven quantum tunneling 304 (1998) 229

Hadjout, J.-P., *see* D. Drain 307 (1998) 297
Haller, E.E., *see* R.W. Schnee 307 (1998) 283
Hallgren, A., *see* R.C. Bay 307 (1998) 243
Halzen, F., *see* R.C. Bay 307 (1998) 243
Hänggi, P., *see* M. Grifoni 304 (1998) 229
Hardtke, R., *see* R.C. Bay 307 (1998) 243
Hart, S., *see* R.C. Bay 307 (1998) 243
He, Y., *see* R.C. Bay 307 (1998) 243
Hellmig, J., *see* L. Baudis 307 (1998) 291
Hennig, D. and G.P. Tsironis, Wave transmission in nonlinear lattices 307 (1999) 333
Heusser, G., *see* L. Baudis 307 (1998) 291
Hill, G., *see* R.C. Bay 307 (1998) 243
Hirsch, M., *see* L. Baudis 307 (1998) 301
Homer, G.J., *see* P.F. Smith 307 (1998) 275
Howard, A.S., *see* P.F. Smith 307 (1998) 275
Hulth, P.O., *see* R.C. Bay 307 (1998) 243
Hundertmark, S., *see* R.C. Bay 307 (1998) 243

Incicchitti, A., *see* P. Belli 307 (1998) 269
Irwin, K.D., *see* R.W. Schnee 307 (1998) 283

Jacobsen, J., *see* R.C. Bay 307 (1998) 243
Jedamzik, K., Could MACHOS be primordial black holes formed during the QCD epoch? 307 (1998) 155
Jésus, M.D., *see* D. Drain 307 (1998) 297
Jochum, J., *see* R.W. Schnee 307 (1998) 283
Jones, A., *see* R.C. Bay 307 (1998) 243
Jones, W.G., *see* P.F. Smith 307 (1998) 275
Joshi, M., *see* P.F. Smith 307 (1998) 275
Juilliard, A., *see* D. Drain 307 (1998) 297

Kane, G.L., Dark matter from particle physics 307 (1998) 197
Kankhadai, V., *see* R.C. Bay 307 (1998) 243
Kao, C., *see* V. Barger 307 (1998) 207

Kardar, M., Nonequilibrium dynamics of interfaces and lines 301 (1998) 85
Karle, A., *see* R.C. Bay 307 (1998) 243
Kashlinsky, A., Determining Ω from the cluster correlation function 307 (1998) 67
Kivshar, Y.S., *see* O.M. Braun 306 (1998) 1
Klapdor–Kleingrothaus, H.V., *see* L. Baudis 307 (1998) 301
Klapdor-Kleingrothaus, H.V., *see* L. Baudis 307 (1998) 291
Knowlton, W.B., *see* R.W. Schnee 307 (1998) 283
Krauss, L.M., New signatures and sources for the detection of WIMP dark matter in the solar system 307 (1998) 235
Kuang, H.H., *see* P. Belli 307 (1998) 269
Kudryatsev, V.A., *see* P.F. Smith 307 (1998) 275
Kumano, S., Flavor asymmetry of antiquark distributions in the nucleon 303 (1998) 183
Kuzminov, V., *see* R.W. Schnee 307 (1998) 283

L'Hôte, D., *see* D. Drain 307 (1998) 297
Lambropoulos, P., P. Maragakis and J. Zhang, Two-electron atoms in strong fields 305 (1998) 203
Lehner, M.J., *see* P.F. Smith 307 (1998) 275
Leuthold, M., *see* R.C. Bay 307 (1998) 243
Lewin, J.D., *see* P.F. Smith 307 (1998) 275
Liang, E.P., Multi-wavelength signatures of galactic black holes: observation and theory 302 (1998) 67
Liddle, A.R., Inflation and the cosmic microwave background 307 (1998) 53
Liddle, A.R. and A.M. Green, Cosmological constraints from primordial black holes 307 (1998) 125
Lieb, E.H. and J. Yngvason, The physics and mathematics of the second law of thermodynamics 310 (1999) 1
Lindahl, P., *see* R.C. Bay 307 (1998) 243
Liubarsky, I., *see* R.C. Bay 307 (1998) 243
Liubarsky, I., *see* P.F. Smith 307 (1998) 275
Loewenstein, M. and R.E. White III, Do elliptical galaxies have dark matter? 307 (1998) 75
Lowder, D., *see* R.C. Bay 307 (1998) 243

McMillan, J.E., *see* P.F. Smith 307 (1998) 275
Ma, J.M., *see* P. Belli 307 (1998) 269
MacGibbon, J.H., *see* B.J. Carr 307 (1998) 141
MacGibbon, J.H., *see* U.F. Wichoski 307 (1998) 191
Maćkowiak, J., Infinite-volume limit of continuous n-particle quantum systems 308 (1999) 235
Majorovits, B., *see* L. Baudis 307 (1998) 291
Mallet, J., *see* D. Drain 307 (1998) 297
Maragakis, P., *see* P. Lambropoulos 305 (1998) 203
Marciniewski, P., *see* R.C. Bay 307 (1998) 243
Marnieros, S., *see* D. Drain 307 (1998) 297
Michielsen, K., H. De Raedt, J. Przeslawski and N. Garcia, Computer simulation of time-resolved optical imaging of objects hidde.. in turbid media 304 (1998) 89
Miller, T.C., *see* R.C. Bay 307 (1998) 243
Miocinovic, P., *see* R.C. Bay 307 (1998) 243
Miramonti, L., *see* D. Drain 307 (1998) 297
Mock, P.C., *see* R.C. Bay 307 (1998) 243

Moiseyev, N., Quantum theory of resonances: calculating energies, widths and cross-sections by complex scaling 302 (1998) 211
Montecchia, F., *see* P. Belli 307 (1998) 269
Morse, R., *see* R.C. Bay 307 (1998) 243
Mosca, L., *see* D. Drain 307 (1998) 297
Murillo, M.S. and J.C. Weisheit, Dense plasmas, screened interactions, and atomic ionization 302 (1998) 1

Nakamura, T., Black hole MACHO and its identification 307 (1998) 181
Nam, S.W., *see* R.W. Schnee 307 (1998) 283
Nath, P., *see* R. Arnowitt 307 (1998) 215
Navick, X.-F., *see* D. Drain 307 (1998) 297
Nienhuis, B., Exact solution of random tiling models 301 (1998) 271
Niessen, P., *see* R.C. Bay 307 (1998) 243
Nollez, G., *see* D. Drain 307 (1998) 297
Novikov, V., *see* R.W. Schnee 307 (1998) 283
Nygren, D., *see* R.C. Bay 307 (1998) 243

Ong, R.A., Very high-energy gamma-ray astronomy 305 (1998) 93
Ostrikov, K.N., *see* N.A. Azarenkov 308 (1999) 333

Paranjape, M.B., *see* T. Gisiger 306 (1998) 109
Pari, P., *see* D. Drain 307 (1998) 297
Parkins, A.S. and D.F. Walls, The physics of trapped dilute-gas Bose–Einstein condensates 303 (1998) 1
Pastor, C., *see* D. Drain 307 (1998) 297
Pauli, H.-C., *see* S.J. Brodsky 301 (1998) 299
Peak, C.D., *see* P.F. Smith 307 (1998) 275
Pécourt, S., *see* D. Drain 307 (1998) 297
Penn, M.J., *see* R.W. Schnee 307 (1998) 283
Perera, T.A., *see* R.W. Schnee 307 (1998) 283
Perlmutter, S., *see* G. Goldhaber 307 (1998) 325
Pillon, M., *see* P. Belli 307 (1998) 269
Pinsky, S.S., *see* S.J. Brodsky 301 (1998) 299
Porrata, R., *see* R.C. Bay 307 (1998) 243
Potter, D., *see* R.C. Bay 307 (1998) 243
Price, P.B., *see* R.C. Bay 307 (1998) 243
Primack, J.R., R. S. Somerville, S.M. Faber and R.H. Wechsler, The nature of high-redshift galaxies 307 (1998) 15
Prosperi, D., *see* P. Belli 307 (1998) 269
Przeslawski, J., *see* K. Michielsen 304 (1998) 89

Quenby, J.J., *see* P.F. Smith 307 (1998) 275

Ramachers, Y., *see* L. Baudis 307 (1998) 291
Reinhard, P.-G., *see* G. Zwicknagel 309 (1999) 117
Riess, A.G., *see* A.V. Filippenko 307 (1998) 31

Roberts, J.W., *see* P.F. Smith 307 (1998) 275
Ross, R.R., *see* R.W. Schnee 307 (1998) 283
Rossi, P., M. Campostrini and E. Vicari, The large-N expansion of unitary-matrix models 302 (1998) 143
Rubinstein, H., *see* R.C. Bay 307 (1998) 243

S. Somerville, R., *see* J.R. Primack 307 (1998) 15
Sadoulet, B., *see* R.W. Schnee 307 (1998) 283
Saha, A., *see* A. Sandage 307 (1998) 1
Sahimi, M., Non-linear and non-local transport processes in heterogeneous media: from long-range correlated percolation to fracture and materials breakdown 306 (1998) 213
Sandage, A., G.A. Tammann and A. Saha, The time scale test for Ω: the inverse Hubble constant compared with the age of the universe 307 (1998) 1
Sarman, S.S., D.J. Evans and P.T. Cummings, Recent developments in non-Newtonian molecular dynamics 305 (1998) 1
Schäfer, L., Field theory of critical phenomena: quantitative analysis beyond powerlaws 301 (1998) 205
Schmittmann, B. and R.K.P. Zia, Driven diffusive systems. An introduction and recent developments 301 (1998) 45
Schnee, R.W., D.S. Akerib, P.D. Barnes Jr, D.A. Bauer, P.L. Brink, B. Cabrera, D.O. Caldwell, R.M. Clarke, P. Colling, M.B. Crisler, A. DaSilva, A.K. Davies, B.L. Dougherty, S. Eichblatt, K.D. Irwin, R.J. Gaitskell, S.R. Golwala, E.E. Haller, J. Jochum, W.B. Knowlton, V. Kuzminov, S.W. Nam, V. Novikov, M.J. Penn, T.A. Perera, R.R. Ross, B. Sadoulet, T. Shutt, A. Smith, A.H. Sonnenschein, A.L. Spadafora, W.K. Stockwell, S. Yellin and B.A. Young, Results and status of the Cryogenic Dark Matter Search (CDMS) 307 (1998) 283
Schneider, E., *see* R.C. Bay 307 (1998) 243
Schreiber, T., Interdisciplinary application of nonlinear time series methods 308 (1999) 1
Schröder, U., *see* J. Fritsch 309 (1999) 209
Schwarz, R., *see* R.C. Bay 307 (1998) 243
Shellard, E.P.S. and R.A. Battye, Origin of dark matter axions 307 (1998) 227
Shi, H. and A. Griffin, Finite-temperature excitations in a dilute Bose-condensed gas 304 (1998) 1
Shutt, T., *see* R.W. Schnee 307 (1998) 283
Simon, E., *see* D. Drain 307 (1998) 297
Smith, A., *see* R.W. Schnee 307 (1998) 283
Smith, N.J.T., *see* P.F. Smith 307 (1998) 275
Smith, P.F., N.J.T. Smith, J.D. Lewin, G.J. Homer, G.J. Alner, G.T.J. Arnison, J.J. Quenby, T.J. Sumner, A. Bewick, T. Ali, B. Ahmed, A.S. Howard, D. Davidge, M. Joshi, W.G. Jones, G. Davies, I. Liubarsky, R.A.D. Smith, N.J.C. Spooner, J.W. Roberts, D.R. Tovey, M.J. Lehner, J.E. McMillan, C.D. Peak, V.A. Kudryatsev and J.C. Barton, Dark matter experiments at the UK Boulby Mine 307 (1998) 275
Smith, R.A.D., *see* P.F. Smith 307 (1998) 275
Solarz, M., *see* R.C. Bay 307 (1998) 243
Sonnenschein, A.H., *see* R.W. Schnee 307 (1998) 283
Spadafora, A.L., *see* R.W. Schnee 307 (1998) 283
Spiering, C., *see* R.C. Bay 307 (1998) 243
Spooner, N., WIMP dark matter detectors above 100 K 307 (1998) 253
Spooner, N.J.C., *see* P.F. Smith 307 (1998) 275
Stefano, P.D., *see* D. Drain 307 (1998) 297
Stockwell, W.K., *see* R.W. Schnee 307 (1998) 283

Strecker, H., *see* L. Baudis 307 (1998) 291
Streicher, O., *see* R.C. Bay 307 (1998) 243
Sumner, T.J., *see* P.F. Smith 307 (1998) 275

Tammann, G.A., *see* A. Sandage 307 (1998) 1
Thon, T., *see* R.C. Bay 307 (1998) 243
Tilav, S., *see* R.C. Bay 307 (1998) 243
Toepffer, C., *see* G. Zwicknagel 309 (1999) 117
Tovey, D.R., *see* P.F. Smith 307 (1998) 275
Tsironis, G.P., *see* D. Hennig 307 (1999) 333
Turbot, R., *see* D. Drain 307 (1998) 297

UK Dark Matter Collaboration, *see* UK Dark Matter Collaboration, P.F. Smith 307 (1998) 275
Unruh, W.G., Acceleration radiation for orbiting electrons 307 (1998) 163

Vagneron, L., *see* D. Drain 307 (1998) 297
van Saarloos, W., Three basic issues concerning interface dynamics in nonequilibrium pattern formation 301 (1998) 9
Vicari, E., *see* P. Rossi 302 (1998) 143
Vogt, R., J/ψ production and suppression 310 (1999) 197

Walck, C., *see* R.C. Bay 307 (1998) 243
Walls, D.F., *see* A.S. Parkins 303 (1998) 1
Wang, H., Xenon as a detector for dark matter search 307 (1998) 263
Wechsler, R.H., *see* J.R. Primack 307 (1998) 15
Weisheit, J.C., *see* M.S. Murillo 302 (1998) 1
White, S.R., Strongly correlated electron systems and the density matrix renormalization group 301 (1998) 187
White III, R.E., *see* M. Loewenstein 307 (1998) 75
Wichoski, U.F., J.H. MacGibbon and R.H. Brandenberger, Astrophysical constraints on primordial black hole formation from collapsing cosmic strings 307 (1998) 191
Wiebusch, C.H., *see* R.C. Bay 307 (1998) 243
Wirzba, A., Quantum mechanics and semiclassics of hyperbolic n-disk scattering systems 309 (1999) 1
Wischnewski, R., *see* R.C. Bay 307 (1998) 243
Woschnagg, K., *see* R.C. Bay 307 (1998) 243

Yellin, S., *see* R.W. Schnee 307 (1998) 283
Yngvason, J., *see* E.H. Lieb 310 (1999) 1
Yodh, G., *see* R.C. Bay 307 (1998) 243
Yokoyama, J., Formation of primordial black holes in the inflationary universe 307 (1998) 133
Young, B.A., *see* R.W. Schnee 307 (1998) 283
Yvon, D., *see* D. Drain 307 (1998) 297

Zhang, J., *see* P. Lambropoulos 305 (1998) 203
Zia, R.K.P., *see* B. Schmittmann 301 (1998) 45
Zuber, K., On the physics of massive neutrinos 305 (1998) 295
Zwicknagel, G., C. Toepffer and P.-G. Reinhard, Stopping of heavy ions in plasmas at strong coupling 309 (1999) 117

ELSEVIER

PHYSICS REPORTS

Subject index to volumes 301–310

General

Three basic issues concerning interface dynamics in nonequilibrium pattern formation, W. van Saarloos 301 (1998) 9
An exactly soluble non-equilibrium system: The asymmetric simple exclusion process, B. Derrida 301 (1998) 65
Nonequilibrium dynamics of interfaces and lines, M. Kardar 301 (1998) 85
Collective transport in random media: from superconductors to earthquakes, D.S. Fisher 301 (1998) 113
Deterministic chaos and the foundations of the kinetic theory of gases, J.R. Dorfman 301 (1998) 151
Strongly correlated electron systems and the density matrix renormalization group, S.R. White 301 (1998) 187
Exact results for two-dimensional Coulomb systems, P.J. Forrester 301 (1998) 235
Exact solution of random tiling models, B. Nienhuis 301 (1998) 271
Multi-wavelength signatures of galactic black holes: observation and theory, E.P. Liang 302 (1998) 67
The physics of trapped dilute-gas Bose–Einstein condensates, A.S. Parkins and D.F. Walls 303 (1998) 1
Wave collapse in physics: principles and applications to light and plasma waves, L. Bergé 303 (1998) 259
Finite-temperature excitations in a dilute Bose-condensed gas, H. Shi and A. Griffin 304 (1998) 1
Graphical analysis of angular momentum for collision products, M. Danos and U. Fano 304 (1998) 155
Driven quantum tunneling, M. Grifoni and P. Hänggi 304 (1998) 229
Recent developments in non-Newtonian molecular dynamics, S.S. Sarman, D.J. Evans and P.T. Cummings 305 (1998) 1
Creating black holes in the universe, and universes through black holes, R. Bousso 307 (1998) 117
Cosmological constraints on supergravity unified models, R. Arnowitt and P. Nath 307 (1998) 215
Interdisciplinary application of nonlinear time series methods, T. Schreiber 308 (1999) 1
Quantum mechanics and semiclassics of hyperbolic n-disk scattering systems, A. Wirzba 309 (1999) 1
The physics and mathematics of the second law of thermodynamics, E.H. Lieb and J. Yngvason 310 (1999) 1

The physics of elementary particles and fields

Quantum chromodynamics and other field theories on the light cone, S.J. Brodsky, H.-C. Pauli and S.S. Pinsky 301 (1998) 299

0370-1573/99/$ – see front matter © 1999 Published by Elsevier Science B.V. All rights reserved.
PII: S0370-1573(99)00006-X

The large-N expansion of unitary-matrix models, P. Rossi, M. Campostrini and E. Vicari 302 (1998) 143
Flavor asymmetry of antiquark distributions in the nucleon, S. Kumano 303 (1998) 183
On the physics of massive neutrinos, K. Zuber 305 (1998) 295
Recent mathematical developments in the Skyrme model, T. Gisiger and M.B. Paranjape 306 (1998) 109
Neutralino relic density from minimal supergravity: Direct detection vs. collider searches, H. Baer 307 (1998) 201
Origin of dark matter axions, E.P.S. Shellard and R.A. Battye 307 (1998) 227
The DAMA experiments at Gran Sasso, P. Belli et al. 307 (1998) 269
Results from CHORUS experiment at CERN, A.G. Cocco 307 (1998) 319
Hadronic and electromagnetic probes of hot and dense nuclear matter, W. Cassing and E.L. Bratkovskaya 308 (1999) 65
J/ψ production and suppression, R. Vogt 310 (1999) 197

Nuclear physics

Graphical analysis of angular momentum for collision products, M. Danos and U. Fano 304 (1998) 155
On the physics of massive neutrinos, K. Zuber 305 (1998) 295
Hadronic and electromagnetic probes of hot and dense nuclear matter, W. Cassing and E.L. Bratkovskaya 308 (1999) 65
J/ψ production and suppression, R. Vogt 310 (1999) 197

Atomic and molecular physics

Quantum theory of resonances: calculating energies, widths and cross-sections by complex scaling, N. Moiseyev 302 (1998) 211
Graphical analysis of angular momentum for collision products, M. Danos and U. Fano 304 (1998) 155
Driven quantum tunneling, M. Grifoni and P. Hänggi 304 (1998) 229
Two-electron atoms in strong fields, P. Lambropoulos, P. Maragakis and J. Zhang 305 (1998) 203
Stopping of heavy ions in plasmas at strong coupling, G. Zwicknagel, C. Toepffer and P.-G. Reinhard 309 (1999) 117

Classical areas of phenomenology (including applications)

Three basic issues concerning interface dynamics in nonequilibrium pattern formation, W. van Saarloos 301 (1998) 9
Nonequilibrium dynamics of interfaces and lines, M. Kardar 301 (1998) 85
Wave collapse in physics: principles and applications to light and plasma waves, L. Bergé 303 (1998) 259
Computer simulation of time-resolved optical imaging of objects hidden in turbid media, K. Michielsen, H. De Raedt, J. Przeslawski and N. Garcia 304 (1998) 89
Nonlinear dynamics of the Frenkel–Kontorova model, O.M. Braun and Y.S. Kivshar 306 (1998) 1

Fluids, plasmas and electric discharges

Dense plasmas, screened interactions, and atomic ionization, M.S. Murillo and J.C. Weisheit 302 (1998) 1
Wave collapse in physics: principles and applications to light and plasma waves, L. Bergé 303 (1998) 259
Stopping of heavy ions in plasmas at strong coupling, G. Zwicknagel, C. Toepffer and P.-G. Reinhard 309 (1999) 117

Condensed matter: structure, thermal and mechanical properties

Three basic issues concerning interface dynamics in nonequilibrium pattern formation, W. van Saarloos 301 (1998) 9
Driven diffusive systems. An introduction and recent developments, B. Schmittmann and R.K.P. Zia 301 (1998) 45
Field theory of critical phenomena: quantitative analysis beyond powerlaws, L. Schäfer 301 (1998) 205
Exact solution of random tiling models, B. Nienhuis 301 (1998) 271
The large-N expansion of unitary-matrix models, P. Rossi, M. Campostrini and E. Vicari 302 (1998) 143
Finite-temperature excitations in a dilute Bose-condensed gas, H. Shi and A. Griffin 304 (1998) 1
Recent developments in non-Newtonian molecular dynamics, S.S. Sarman, D.J. Evans and P.T. Cummings 305 (1998) 1
Nonlinear dynamics of the Frenkel–Kontorova model, O.M. Braun and Y.S. Kivshar 306 (1998) 1
Non-linear and non-local transport processes in heterogeneous media: from long-range correlated percolation to fracture and materials breakdown, M. Sahimi 306 (1998) 213
Wave transmission in nonlinear lattices, D. Hennig and G.P. Tsironis 307 (1999) 333
Density functional calculation of semiconductor surface phonons, J. Fritsch and U. Schröder 309 (1999) 209

Condensed matter: electronic structure, electrical, magnetic and optical properties

Nonequilibrium dynamics of interfaces and lines, M. Kardar 301 (1998) 85
The large-N expansion of unitary-matrix models, P. Rossi, M. Campostrini and E. Vicari 302 (1998) 143
Infinite-volume limit of continuous n-particle quantum systems, J. Maćkowiak 308 (1999) 235
Surface magnetoplasma waves at the interface between a plasma-like medium and a metal in the Voigt geometry, N.A. Azarenkov and K.N. Ostrikov 308 (1999) 333
Density functional calculation of semiconductor surface phonons, J. Fritsch and U. Schröder 309 (1999) 209

Cross-disciplinary physics and related areas of science and technology

Driven diffusive systems. An introduction and recent developments, B. Schmittmann and R.K.P. Zia 301 (1998) 45
Computer simulation of time-resolved optical imaging of objects hidden in turbid media, K. Michielsen, H. De Raedt, J. Przeslawski and N. Garcia 304 (1998) 89

Geophysics, astronomy and astrophysics

Multi-wavelength signatures of galactic black holes: observation and theory, E.P. Liang 302 (1998) 67
Bilateral symmetry in active galaxies, D.G. Banhatti 303 (1998) 81
Very high-energy gamma-ray astronomy, R.A. Ong 305 (1998) 93
On the physics of massive neutrinos, K. Zuber 305 (1998) 295
The time scale test for Ω: the inverse Hubble constant compared with the age of the universe, A. Sandage, G.A. Tammann and A. Saha 307 (1998) 1
The nature of high-redshift galaxies, J.R. Primack, R. S. Somerville, S.M. Faber and R.H. Wechsler 307 (1998) 15
The age of the universe, B. Chaboyer 307 (1998) 23
Results from the High-z Supernova Search Team, A.V. Filippenko and A.G. Riess 307 (1998) 31
Measuring the Hubble constant, W.L. Freedman 307 (1998) 45
Inflation and the cosmic microwave background, A.R. Liddle 307 (1998) 53
The Sloan Digital Sky Survey and large-scale structure, J.A. Frieman 307 (1998) 61
Determining Ω from the cluster correlation function, A. Kashlinsky 307 (1998) 67
Do elliptical galaxies have dark matter?, M. Loewenstein and R.E. White III 307 (1998) 75
Dynamical constraints on dark compact objects, B.J. Carr 307 (1998) 83
Magellanic cloud gravitational microlensing results: What do they mean?, D. Bennett 307 (1998) 97
The microlensing searches for galactic dark matter, B. Goldman 307 (1998) 107
Creating black holes in the universe, and universes through black holes, R. Bousso 307 (1998) 117
Cosmological constraints from primordial black holes, A.R. Liddle and A.M. Green 307 (1998) 125
Formation of primordial black holes in the inflationary universe, J. Yokoyama 307 (1998) 133
Cosmic rays from primordial black holes and constraints on the early universe, B.J. Carr and J.H. MacGibbon 307 (1998) 141
Could MACHOS be primordial black holes formed during the QCD epoch?, K. Jedamzik 307 (1998) 155
Acceleration radiation for orbiting electrons, W.G. Unruh 307 (1998) 163
Primordial black holes and short gamma-ray bursts, D.B. Cline 307 (1998) 173
Black hole MACHO and its identification, T. Nakamura 307 (1998) 181
Astrophysical constraints on primordial black hole formation from collapsing cosmic strings, U.F. Wichoski, J.H. MacGibbon and R.H. Brandenberger 307 (1998) 191
Dark matter from particle physics, G.L. Kane 307 (1998) 197
Neutralino relic density from minimal supergravity: Direct detection vs. collider searches, H. Baer 307 (1998) 201
Neutralino relic density in the minimal supergravity model, V. Barger and C. Kao 307 (1998) 207
Cosmological constraints on supergravity unified models, R. Arnowitt and P. Nath 307 (1998) 215
Origin of dark matter axions, E.P.S. Shellard and R.A. Battye 307 (1998) 227
New signatures and sources for the detection of WIMP dark matter in the solar system, L.M. Krauss 307 (1998) 235
The AMANDA neutrino telescope and the indirect search for dark matter, AMANDA Collaboration R.C. Bay et al. 307 (1998) 243
WIMP dark matter detectors above 100 K, N. Spooner 307 (1998) 253
Xenon as a detector for dark matter search, H. Wang 307 (1998) 263
The DAMA experiments at Gran Sasso, P. Belli et al. 307 (1998) 269
Dark matter experiments at the UK Boulby Mine, UK Dark Matter Collaboration P.F. Smith et al. 307 (1998) 275

Results and status of the Cryogenic Dark Matter Search (CDMS), R.W. Schnee et al. 307 (1998) 283
Direct detection of WIMPs with the HDMS-experiment and new WIMP-limits from the Heidelberg–Moscow experiment, L. Baudis, J. Hellmig, G. Heusser, H.V. Klapdor-Kleingrothaus, B. Majorovits, Y. Ramachers and H. Strecker 307 (1998) 291
Status of the EDELWEISS experiment, D. Drain et al. 307 (1998) 297
GENIUS: a new dark matter project, L. Baudis, J. Hellmig, M. Hirsch, G. Heusser, H.V. Klapdor–Kleingrothaus, B. Majorovits, Y. Ramachers and H. Strecker 307 (1998) 301
CUORE: a cryogenic underground observatory for rare events, E. Fiorini 307 (1998) 309
A study of 42 type Ia supernovae and a resulting measurement of Ω_M and Ω_Λ, G. Goldhaber and S. Perlmutter 307 (1998) 325
The Sunyaev–Zel'dovich effect, M. Birkinshaw 310 (1999) 97